



Solid Waste Management Planning, Amendment 1

9 VAC 20-130-10 et seq

Effective August 1, 2001

Available at:

www.deq.state.va.us/waste/wastereg130.html

Objectives

- Applicable statutes
- History of the Regulation
- What's new
- Plan preparation
- Amendments, Variance, and Reporting

Why did we amend the Regulations?

- Executive Order No. 25 (98)
- Ten years had passed
- Three statutory changes
- Next review scheduled for 2005

Why do we need Solid Waste Management Plans?

- Helps prevent long-term problems such as water and soil contamination
- Promotes recycling
- Improves the tracking and management of solid waste

Why do we need Solid Waste Management Plans?

- Statutory requirement - 10.1-1411 of VWMA
- SWMPs are referenced in other statutes:
 - 10.1-1408.1.B.6
 - 10.1-1408.1.D.1
 - 10.1-1408.1.P
 - 15.2-928
- Encourages proper waste management in the Commonwealth

History

- Replaces previous Regulations adopted on May 15, 1990
- Under previous regulations, Solid Waste Plans were due on July 1, 1991, almost all were approved by July 1992
- Plans could be developed by Town, City, County or Region
- Eighty one (81) discrete plans submitted & approved

History

- Established Regions are still in effect
- Plan updates required every five years with the first one due in 1997
- The Recycling Rate was set at 10% for 1991, 15% for 1993 and 25% by 1995

What's New

- Calls for the submission of a complete revised plan by July 1, 2004 (Section 110)
 - DEQ to return comments on plan deficiencies within 90 days or notify applicant when review will be completed
 - Plan to be resubmitted within 90 days after notified of deficiencies
 - Plans approved will be effective upon notification

What's New

- Some of the definitions were changed to comply with current statutes and regulations
 - Definitions of "Principal Recyclable Materials" and "Supplemental Recyclable Materials" were changed
- Recycling Rate fixed at 25% and calculation methodology revised

What's New

- Provides for withholding issuance of permits for solid waste management facilities unless a valid plan is in place (10.1-1408.1.D.1(vi) and 1411 of VWMA)
- New Recycling Rate calculation using a new form (DEQ Form 50-30)
 - Used oil and automobile bodies were moved from "Principal" to "Supplemental" plus used oil filters and antifreeze were added to "Supplemental"

What's New

- Amendments to the Plans (replaces updates)
 - I Major
 - I Minor
- Amendments shall be approved by DEQ prior to implementation
- Major Amendments require public participation
- Minor Amendments can be submitted directly to DEQ

What's New

- Annual Reporting Requirements (10.1-1413.1 of VWMA)
 - Waste Information for permitted facilities by March 31 (Form DEQ 50-25)
Mailed to Regional Office
 - Recycling Rate by April 30 (Form DEQ 50-30)
Mailed to Central Office
 - 15.2-939 of the Code of Virginia

Plan Preparation

- No prescribed format
- Content and data are spelled out in Sections:
 - Section 30
 - | Hierarchy
 - Section 120
 - | Mandatory plan contents
 - Section 140
 - | Objectives
 - Section 150
 - | Incorporated data

Plan Preparation

■ Section 30

■ Lists the elements of the Waste Management Hierarchy

- I Source Reduction
- I Reuse
- I Recycling
- I Resource Recovery (waste-to energy)
- I Incineration
- I Landfilling

Plan Preparation

■ Section 120

■ List of Mandatory Plan contents

- I A.1-Integrated waste management strategy
- I A.2-Discussion of plan implementation
- I A.3-Objectives for solid waste management
- I A.4-Incremental stages of progress
- I A.5&6-Description of funding & strategy for provision of funds
- I A.7&8-Strategy for public education & involvement

Plan Preparation

■ Section 140

■ Plan Objectives

- I 1.-Consideration of the Hierarchy
- I 2.-Demonstrate how goals & objectives will be met
- I 3&4.-Resolution adopting the plan (region or locality)

■ Section 150

■ Incorporated Data

- I 1.-Population information & projections for 20 years
- I 2.-Urban concentrations, geographic conditions, economic growth & development

Plan Preparation

■ Section 150 (cont.)

■ Incorporated Data

- I 3.-Estimates of solid waste generation from all sources
- I 4.-Listing of existing & planned solid waste facilities
- I 5.-Milestones in the implementation of SWMP for 20 years
- I 6.-Program description for: waste reduction, reuse, recycling, resource recovery, incineration, storage, treatment, disposal & litter control

Plan Preparation

■ Section 150 (cont.)

■ Incorporated Data

- I 7.-Description of outreach programs
- I 8.-Procedures for and results of evaluating solid waste collection, including transfer stations
- I 9.-Assessment and evaluation of solid waste management needs for 20 years and action to meet those needs

Plan Preparation

- Public participation

- Public Hearings (Section 130.A)
- Public/Private partnerships (Section 130.B)
- Resolution (Section 140)

- Data tables & charts

Sample Plan

- 1.0 Introduction
- 2.0 Projections & Waste Quantities
- 3.0 Solid Waste Management System
- 4.0 Hierarchy
- 5.0 Objectives
- 6.0 Implementation Plan
- 7.0 Funding & Construction Schedules
- 8.0 Public Participation
- 9.0 Tables, Appendices, etc.

Sample Plan

- 1.0 Introduction
 - Brief Description or Summary
 - Plan Goals (140.2)

Sample Plan

- 2.0 Projections & Waste Quantities (150)
 - Description of Plan Area
 - Population Data and Projections
 - Composition of Solid Waste
 - Solid Waste Generation Projections and Flow Patterns
 - Waste Stream Projections
 - Types of Waste Generated

Sample Plan

■ 3.0 Solid Waste Management System (150)

■ Collection

- I Residential

- I Business

- I Industrial

■ Disposal

■ Recycling

■ Public Education

■ Public/Private Partnerships

Sample Plan

- 4.0 Hierarchy (140.1)
 - Source Reduction
 - Reuse
 - Recycling
 - Waste-to-Energy/Incineration
 - Landfill

Sample Plan

■ 5.0 Objectives (120.A.3, 140.2)

Sample Plan

- 6.0 Implementation Plan (120.A.2,A.4)
 - Source Reduction (140↓)
 - Reuse
 - Recycling
 - Waste-to-Energy/Incineration
 - Landfill

Sample Plan

- 7.0 Funding & Construction Schedules
(120.A.5, A.6)

Sample Plan

- 8.0 Public Participation
 - Public/Private Partnerships (120.A.7, A.8)
 - Public Hearings (130)
 - Resolutions (140.3,.4)

Sample Plan

■ 9.0 Tables, Appendices, etc

Amendments

- Why do we have amendments?
 - Periodic updates not satisfactory
 - Plans will be more viable

Amendments

■ Major

- Addition, deletion, or cessation of operation of any solid waste facility
- Increase in landfill capacity
- Move toward lower waste management hierarchy
- Change in membership
- Requires public participation (Section 130) before submission to the DEQ

Amendments

■ Minor

- Move toward higher waste management hierarchy
- Administrative change
- Amendments are submitted directly to the DEQ

Variance for Recycling Rate

- Source reduction or reuse can be counted toward recycling percent with a petition for a variance (Section 120.C.6)
 - Apply for variance per Section 230
 - Must have an effective recycling program
 - Will not be granted if a rate of 25% is being achieved

General Variance

- Petitioning for a Variance (Section 230)
 - May petition for variance from any section of these regulations
 - Include information specified in Section 230.B

Reporting

- Waste Assessment

- Form DEQ 50-25
- Report due by March 31 of each year
- Report to Regional Office

Reporting

■ Recycling

- Form DEQ 50-30
- Report due by April 30 of each year
- Report to Central Office
- Form available at:
<http://www.deq.state.va.us/recycle/forms.html>



Commonwealth of Virginia
Locality Recycling Rate Report
For Calendar Year 2002

Contact Information

Reporting Jurisdiction: _____

Person Completing This Form: _____

Title: _____

Address: _____
Street/P.O. Box City State Zip

Phone #: (____) _____ **Fax #:** (____) _____

Email Address: _____

Member Governments (The local governments identified in your regional solid waste management plan): _____

Calculated Recycling Rate: Using the formula provided below and the information identified on Page 2 calculate your recycling rate for the reporting period.

$$[P + S] / [P + S + M] \times 100 = \text{Recycling Rate}$$

$$\frac{[\text{____} + \text{____}]}{[\text{Total PRM (P)} + \text{Total SRM (S)} + \text{Total MSW (M)}]} \times 100$$

= _____ %
Recycling Rate

I certify that I have personally examined and am familiar with the information submitted in this form and any attached documents, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. These records will be made available for auditing purposes, if requested.

Authorized Signature Title Date

Return completed form by April 30, 2003 to: Virginia DEQ, Attn: Recycling Rates, P.O. Box 10009, Richmond, VA 23240.

Part I: Principal Recyclable Material (PRM): Report only PRM generated within the reporting jurisdiction(s), NOT imported PRM.

PRM TYPE	RECYCLED AMOUNT (TONS)
Paper	
Metal	
Plastic	
Glass	
Commingled	
Yard Waste (composted or mulched)	
Waste wood (chipped or mulched)	
Textiles	
TOTAL PRM	(P)

Part II: Supplemental Recyclable Material (SRM): Report only SRM generated within the reporting jurisdiction(s), NOT imported SRM.

SRM TYPE	RECYCLED AMOUNT/Tons	
Waste Tires		
Used Oil		
Used Oil Filters		
Used Antifreeze		
Abandoned automobiles removed		
Batteries		
Sludge (composted)		
Electronics		
Tree Stumps (> 6" Diameter)		
Other (from Page 3)		
SUBTOTALS		
	(RECYCLED SRM)	REUSED* AMOUNT/Tons*
Construction Waste		
Demolition Waste		
Debris Waste		
Ash		
Other (from Page 3)		
SUBTOTALS		
		(REUSED SRM)
TOTAL SRM	(S)	

Part III: Total Municipal Solid Waste (MSW) Disposed:** Report only MSW generated within the reporting jurisdiction(s), NOT imported waste.

MSW TYPE	TOTAL AMOUNT DISPOSED (TONS)
Household	
Commercial	
Institutional	
Other***	
TOTAL MSW DISPOSED	(M)

*Material separated from the waste stream and used, without processing or changing its form, for the same or another end use.

**Disposed for the purpose of this report means delivery to a permitted sanitary landfill or waste incinerator for disposal.

***May add total amounts of SRM generated, if known.

Any Questions?



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